



BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1107
MIAMI, FLORIDA 33130-1563
(305) 375-2902 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Florida Coastal Impact Window, LLC
940 W 84th Street
Hialeah, FL 33014

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Division (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "2009-SH" Aluminum Single Hung Window – L.M.I.

APPROVAL DOCUMENT: Drawing No. AD10-05, titled "Series 2009-SH Single Hung Window System (LMI)", sheets 1 through 6 of 6, dated 04/09/10, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P. E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official. This NOA revises NOA No. 09-0413.06 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P. E.**



NOA No. 10-0422.06
Expiration Date: June 24, 2014
Approval Date: May 26, 2010
Page 1

Florida Coastal Impact Window, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **AD10-05**, titled "Series 2009-SH Single Hung Window System (LMI)", sheets 1 through 6 of 6, dated 04/09/10, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P. E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
along with marked-up drawings and installation diagram of series FIW 2009-80 aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc, Test Report No. **FTL-6057**, dated 10/05/09, signed and sealed by Julio E. Gonzalez, P. E.
2. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Large Missile Impact Test per FBC, TAS 201-94
5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94
along with marked-up drawings and installation diagram of series FIW 2008 aluminum single hung window, prepared by Fenestration Testing Laboratory, Inc, Test Report No. **FTL-5743**, dated 12/30/08, signed and sealed by Michael R. Wenzel, P.E.
(Submitted under previous NOA No.09 -0413.06)

C. CALCULATIONS

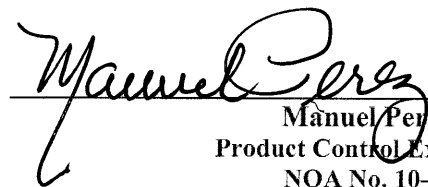
1. Anchor verification calculations and structural analysis, complying with FBC-2007, prepared by MCY Engineering, Inc, dated 04/07/1, signed and sealed by Yiping Wang, P. E.
Complies with ASTM E1300-02/ 03/ 04

D. QUALITY ASSURANCE

1. Miami-Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **09-0312.03** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Sentry Glass® Interlayer**" dated 05/13/09, expiring on 01/14/11.


Manuel Perez, P. E.
Product Control Examiner
NOA No. 10-0422.06
Expiration Date: June 24, 2014
Approval Date: May 26, 2010

Florida Coastal Impact Window, LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

E. MATERIAL CERTIFICATIONS (CONTINUED)

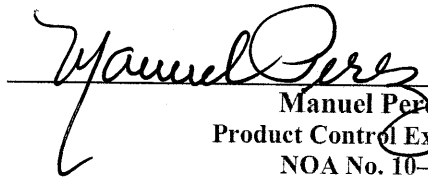
2. Notice of Acceptance No. **09-0312.02** issued to E.I. DuPont DeNemours & Co., Inc. for their "**DuPont Butacite® PVB, Interlayer**" dated 05/13/09, expiring on 12/11/10.

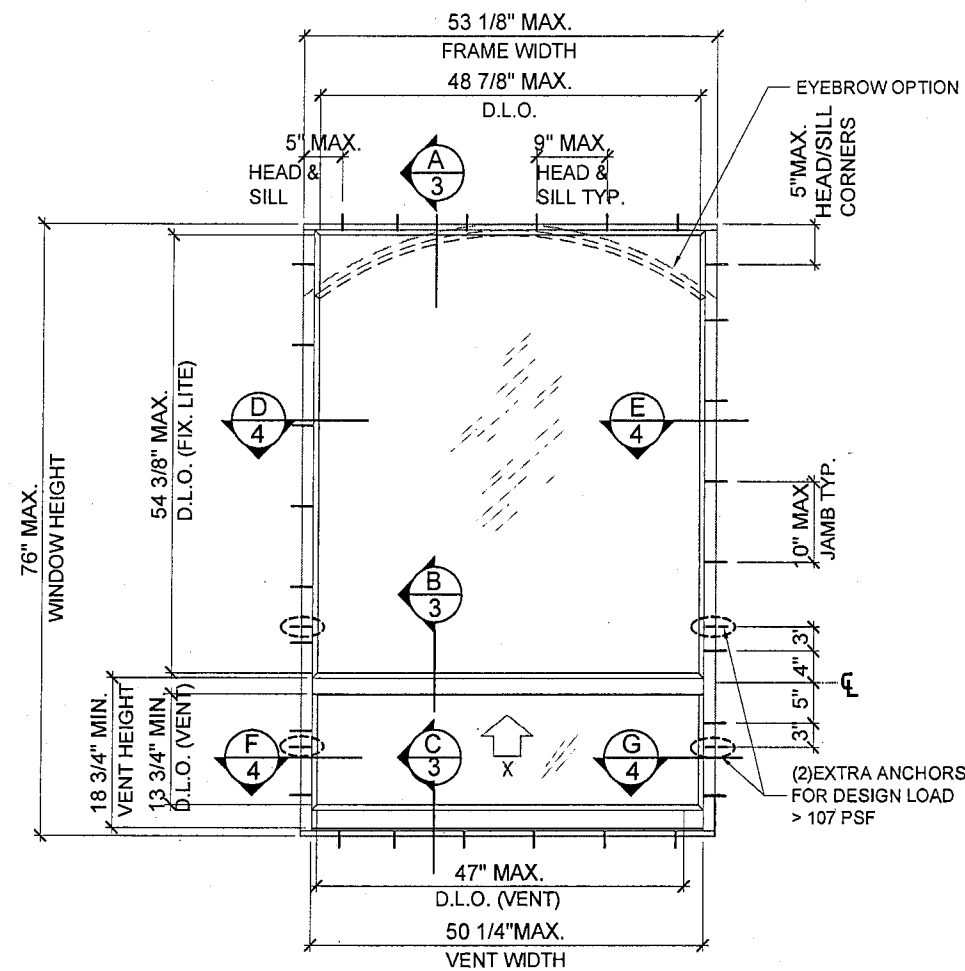
F. STATEMENTS

1. Statement letter of conformance and compliance with FBC 2007, dated April 07, 2010, signed and sealed by Yiping Wang, P. E.
2. Statement letter of no financial interest, dated April 14, 2010, signed and sealed by Yiping Wang, P. E.
3. Laboratory compliance letter for Test Report No. **FTL-6057**, issued by Fenestration Testing Laboratory, Inc., dated October 05, 2009, signed and sealed by Julio E. Gonzalez, P. E.
4. Laboratory compliance letter for Test Report No. **FTL-5743**, issued by Fenestration Testing Laboratory, Inc., dated December 30, 2008, signed and sealed by Michael R. Wenzel, P. E.
(Submitted under previous NOA No. 09-0413.06)
5. Asset purchase agreement dated February 24, 2010, signed by Mr. Philip J. von Kahle and Mr. Enrique Revilla.

G. OTHERS

1. Notice of Acceptance No. **09-0413.06**, issued to Florida Coastal Protective Manufacturing for their Series "2009-SH" Aluminum Single Hung Window – L.M.I.", approved on 06/24/09 and expiring on 06/24/14.


Manuel Perez, P. E.
Product Control Examiner
NOA No. 10-0422.06
Expiration Date: June 24, 2014
Approval Date: May 26, 2010



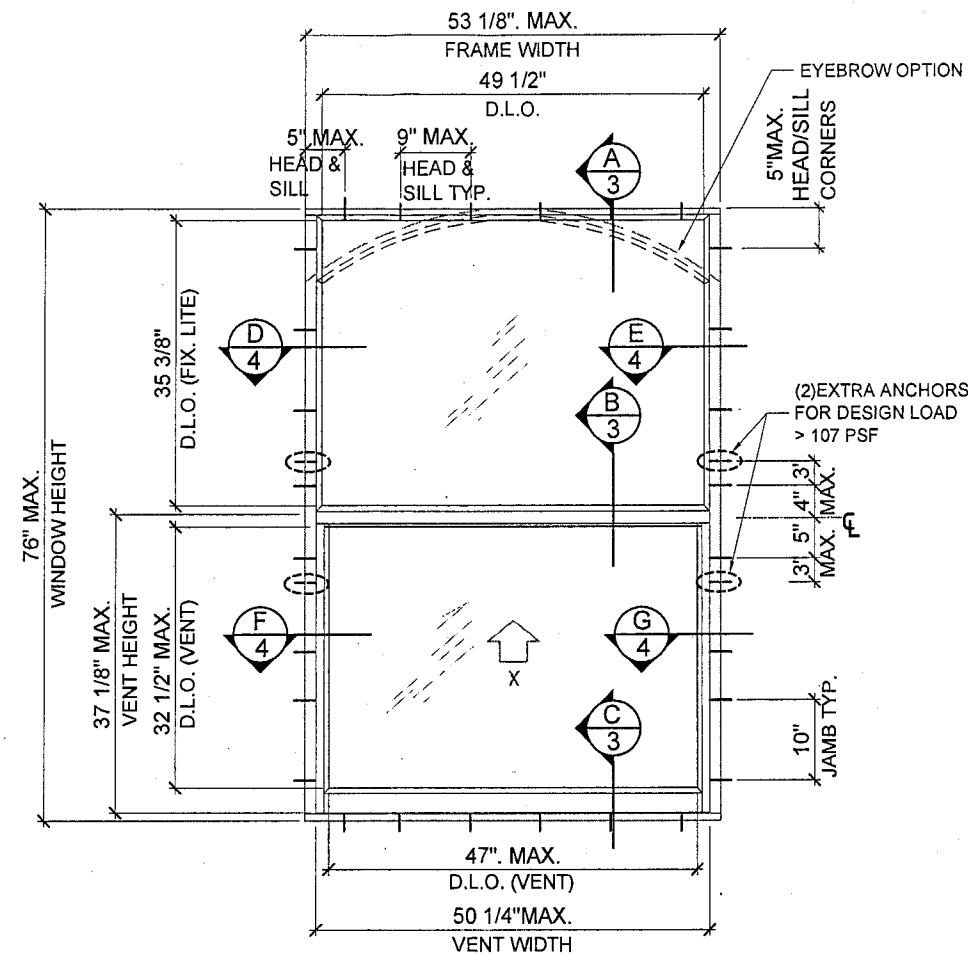
TYPICAL ELEVATION

SCALE

1/2" = 1'-0"

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 EDITION INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOWS RATED FOR LARGE MISSILE IMPACT AND DO NOT REQUIRE SHUTTERS.
- THESE WINDOWS ARE APPROVED FOR AIR AND WATER INFILTRATION.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- WOOD BUCKS BY OTHERS MUST BE SOUTHERN PINE, G = 0.55 AND MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.

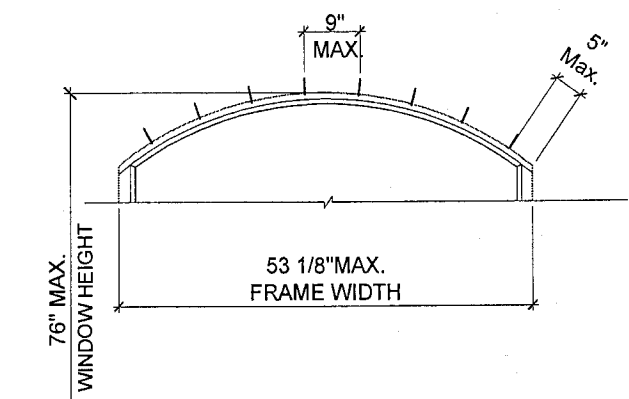


TYPICAL ELEVATION

SCALE

1/2" = 1'-0"

- A LOAD DURATION FACTOR IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- PROVIDE 1/4" MAX. LOAD BEARING SHIM SPACE (TYP.).
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS.
- METAL STRUCTURES NOT BY FLORIDA COASTAL IMPACT WINDOWS LLC MUST SUPPORT LOADS IMPOSED BY WINDOW SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



EYEBROW OPTION
(FOR ORIAL OR EQUAL SASH)

SCALE

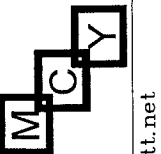
1/2" = 1'-0"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 10-0422-06
Expiration Date 06/24/2014
By *Manuel Pera*
Miami Dade Product Control
Division

MIAMI DADE COUNTY

YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677

APR 15 2010



MCY ENGINEERING, INC.
GLAZING CONSULTANTS

9110 SW SUNSET DRIVE. P: 305.271.0117
MIAMI, FL 33173 F: 786.573.5063

www.MCYEngineering.com MCY.Engineering@Att.net

SERIES 2009-SH SINGLE HUNG WINDOW SYSTEM (LMI)

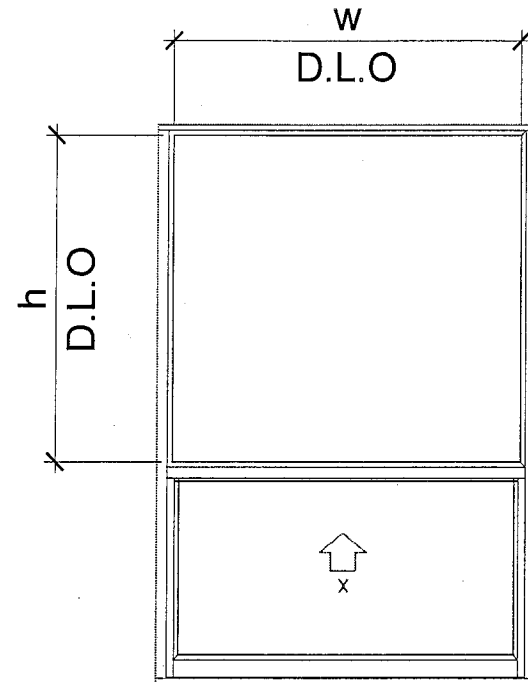
FLORIDA COASTAL IMPACT WINDOW L.L.C

940 W 84 STREET
HIALEAH, FL 33014
P: (305) 828-8254 F: (305) 828-8255

DATE	04/09/10
SCALE	AS SHOWN
DRAWN	W. L.
PROJECT	10-012

DRAWING NO.
AD10-05

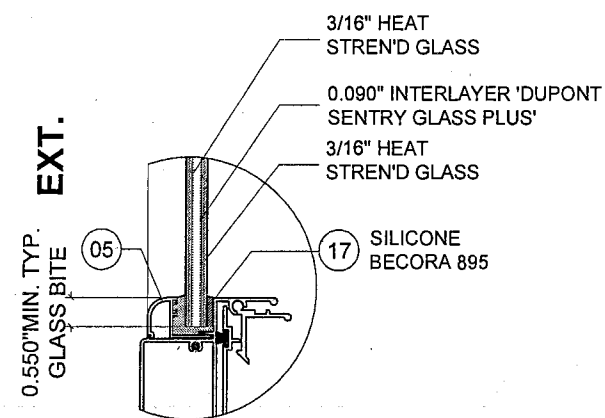
SHEET 1 OF 6



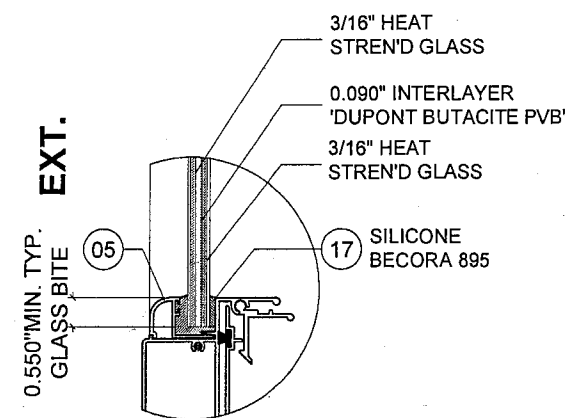
SINGLE HUNG WINDOW SCHEDULE

	GLASS TYPE A	GLASS TYPE B	GLASS TYPE C
MAXIMUM DESIGN LOAD	+110.0 PSF -150.0 PSF	+110.0 PSF -150.0 PSF	+80.0 PSF -80.0 PSF
MAX. FIXED LITE GLASS AREA (w*h)	2640 IN ²	1729 IN ²	2640 IN ²

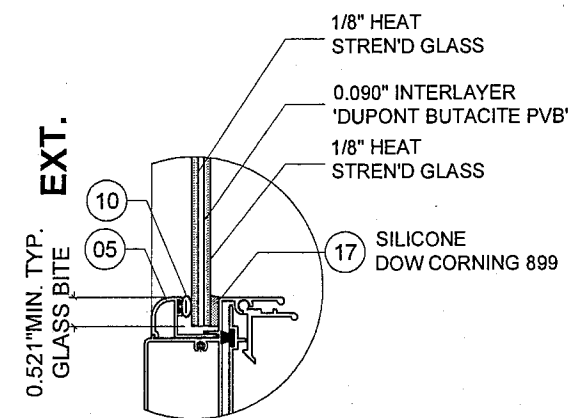
NOTE:
SCHEDULE FOR UNEQUAL SASH HEIGHT ORIEL AND EQUAL SASH HEIGHT SINGLE HUNG WINDOW.
ALSO FOR RECTANGULAR OR EYEBROW.



GLASS TYPE "A"



GLASS TYPE "B"



GLASS TYPE "C"

GLAZING OPTIONS

NOTE:
GLASS CAPACITIES ARE BASED ON ASTM E1300-02/04 (3 SEC. GUSTS)

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as complying with the Florida
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Expiration Date 06/24/2014
By *Mamuel Perez*
Miami Dade Product Control
Division

YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677

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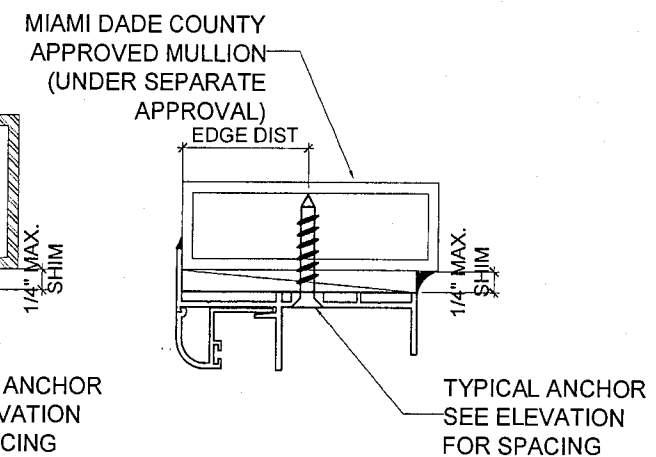
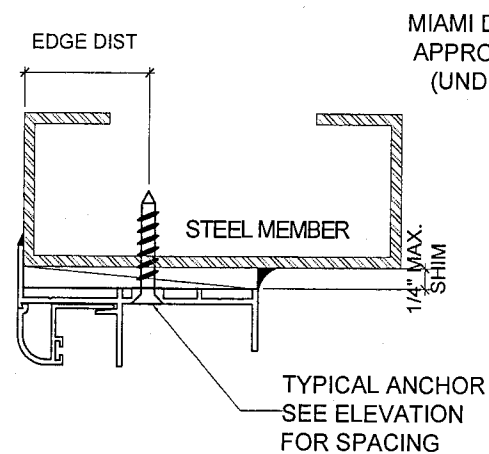
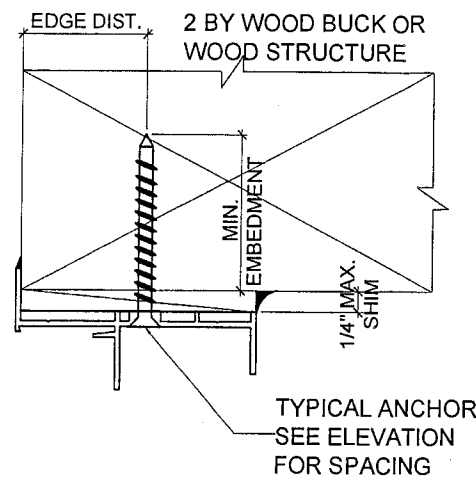
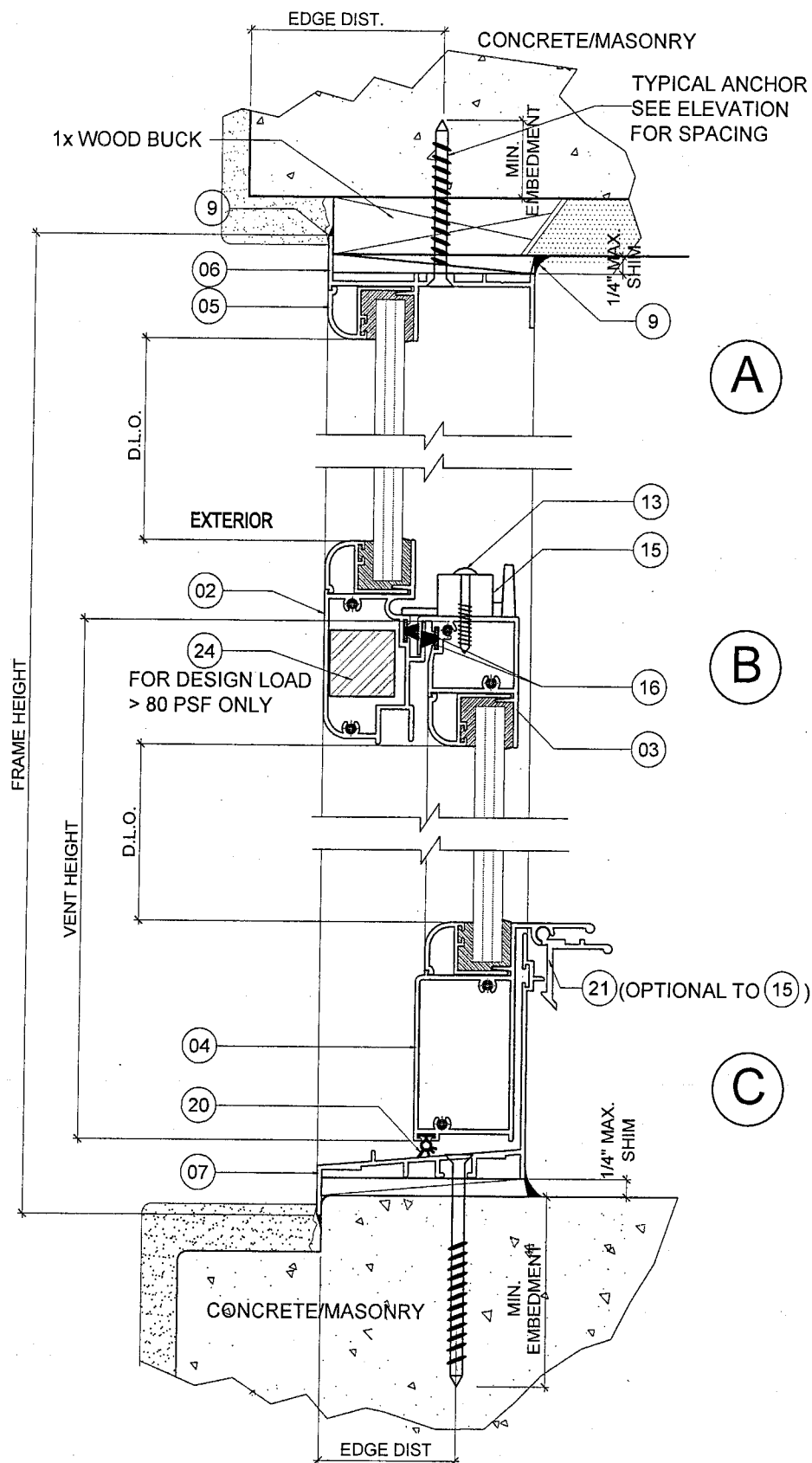
MIAMI DADE COUNTY

NO.	DATE	DESCRIPTION

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
9110 SW SUNSET DRIVE, P: 305.271.0117
MIAMI, FL 33173 F: 786.573.5063
www.MCYEngineering.com MCY.Engineering@Att.net

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SHEET	2 OF 8



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' 1/4" DIA. HILTI KWIK-CON II (Fy=157 KSI, Fu=163 KSI)

- INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
1-1/2" MIN. WOOD PENETRATION
- THRU 1BY WOOD BUCKS INTO MASONRY OR CONC.
1-5/8" MIN. EMBED INTO MASONRY OR CONC.
- DIRECTLY INTO MASONRY OR CONCRETE
1-5/8" MIN. EMBED INTO MASONRY OR CONCRETE

TYPE 'B' 1/4" DIA. TEKS OR SELF DRILLING SCREWS (Fy=92 KSI, Fu=120 KSI)

- INTO METAL STRUCTURES
STEEL : 12 GA. MIN. (Fy = 36 KSI MIN.)
ALUMINUM : 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE:

INTO CONCRETE AND MASONRY:
2" MIN. AT JAMB & 1-1/2" AT HEAD & SILL
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

SEALANT:

ALL FRAME CORNERS, VENT CORNERS AND
EACH END OF THE FIXED MEETING RAILS

WEEP HOLES:

1/4" LONG WEEP HOLES NOTCH ONE AT EACH END.

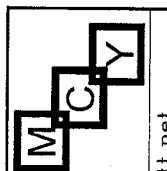
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 10-0422-06
Expiration Date 06/24/2014
By *Maurice P. [Signature]*
Miami Dade Product Control
Division

MIAMI DADE COUNTY

YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A.N. 28677

APR 15 2010

REVISIONS	NO	DATE	DESCRIPTION



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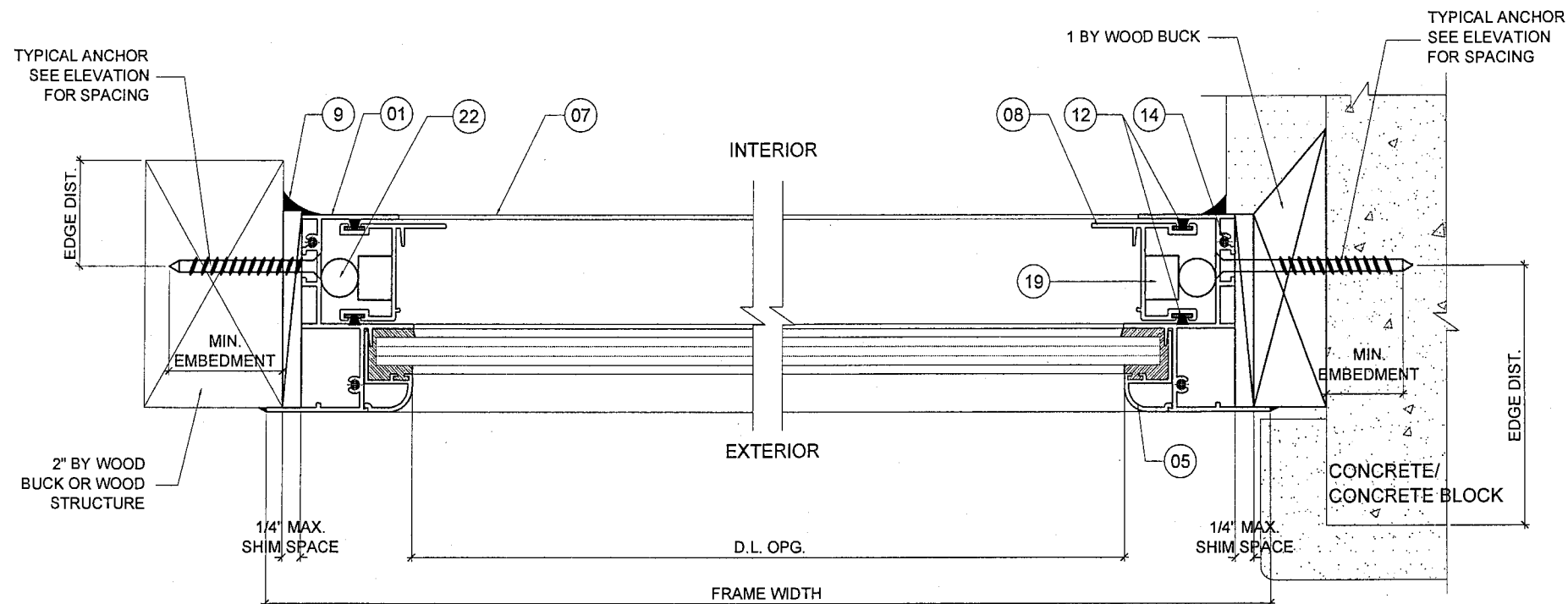
FLORIDA COASTAL IMPACT WINDOW L.L.C

940 W 84 STREET
HIALEAH, FL 33014
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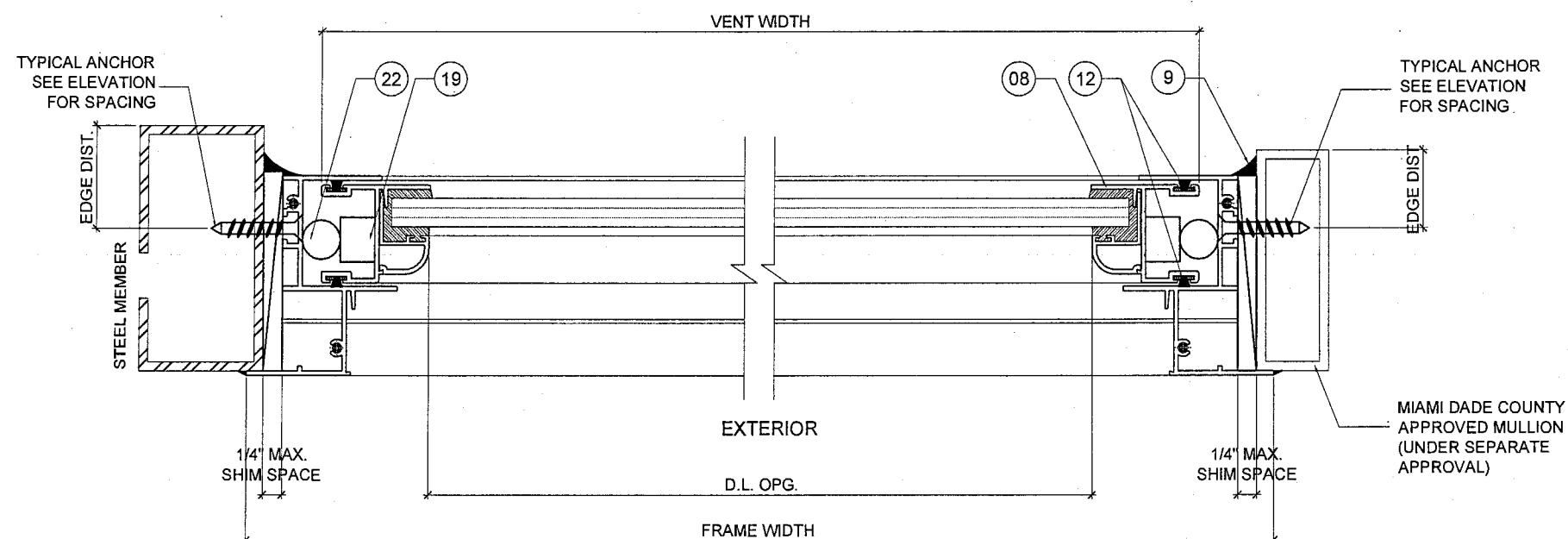
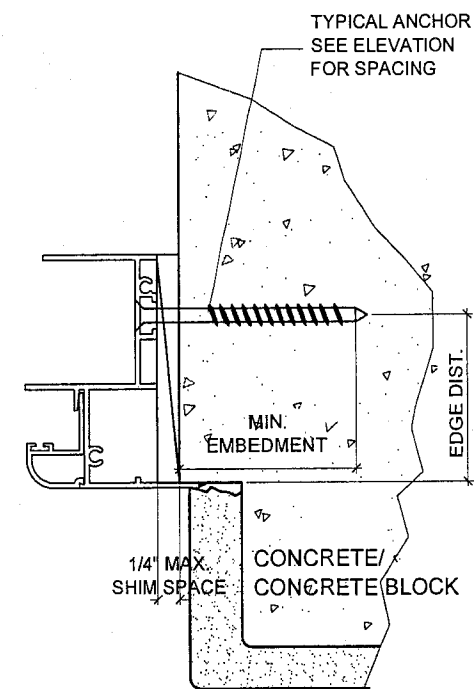
DRAWING NO.
AD10-05

SHEET 3 OF 6



D

E



F

G

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 10-0422-06
Expiration Date 06/24/2014

By *Manuel Diaz*
Miami Dade Product Control
Division

MIAMI DADE COUNTY

YIPING WANG, P.E.
FLORIDA REGISTRATION
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SHEET 4 OF 6

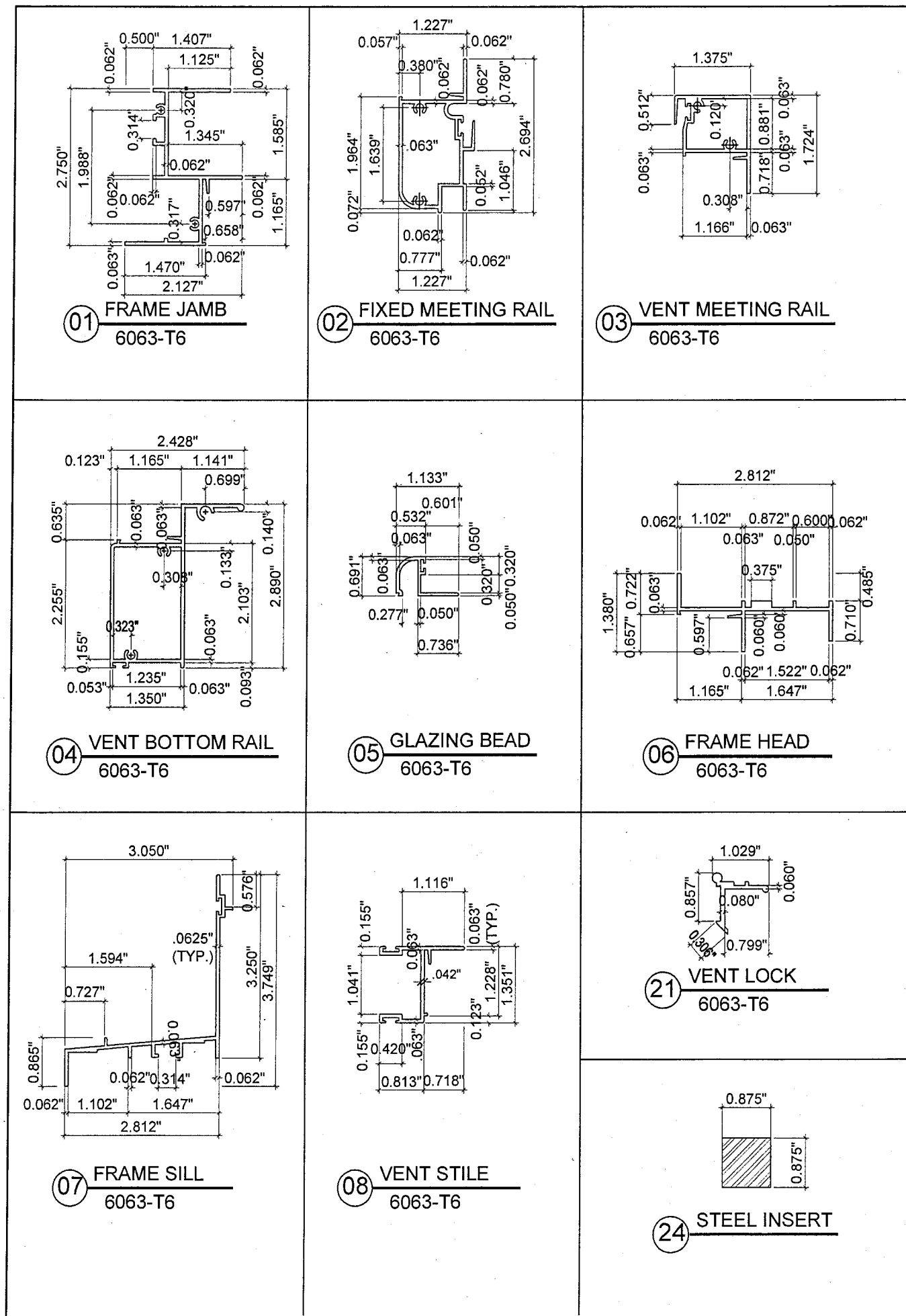
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NO.	DATE	DESCRIPTION



BILL OF MATERIAL

ITEM #	PART	DESCRIPTION	MATERIAL
01	FSP 015	FRAME JAMB	6063-T6
02	FSP 041	FIXED MEETING RAIL	6063-T6
03	FSP 018	VENT MEETING RAIL	6063-T6
04	FSP 042	VENT BOTTOM RAIL	6063-T6
05	FSP 017	GLAZING BEAD	6063-T6
06	FSP 014	FRAME HEAD	6063-T6
07	FSP 040	FRAME SILL	6063-T6
08	FSP 016	VENT STILE	6063-T6
9	SILICONE	SEALANT, AT FRAME CORNERS, VENT CORNERS AND EACH END OF THE FIXED MEETING RAIL.	NON STRUCTURAL SILICONE
10		VINYL BULB	-
11	FASTENER	#8 X 1 1/2" PH SMS (SS) VENT CORNER FASTENERS	-
12		WEATHER STRIP	-
13	FASTENER	#8 X 5/8" PH SMS (SS) LATCH LOCK FASTENER	-
14	FASTENER	#8 X 1 1/2" PH SMS (SS) FRAME CORNER FASTENERS	-
15		LATCH LOCK	-
16		WEATHER STRIP	-
17	SILICONE	PECORA 896	STRUCTURAL SILICONE
18	NYLON GUIDES	(4) NYLON GUIDES LOCATED AT 3 1/8" AND 36 3/4" FROM BOTTOM OF VENT STILE USING (1) #6X3/8" F.H. S.M.S.	-
19	NYLON GUIDES	(2) NYLON GUIDES LOCATED AT EACH END OF VENT MEETING RAIL USING (2) #8X1 1/2" P.H. S.M.S.	-
20		VENT VINYL BULB	-
21	FSP 021	VENT LOCK	-
22		BALANCE	-
23	SURFACE MOUNT METALLIC CLIPS	(2) CLIPS AT EACH VENT BOTTOM RAIL CONNECTED USING (2) #8X5/8" F.H. S.M.S.	-
24		7/8" X 7/8" CONT. STEEL BAR, ZINC PLATED USED WHEN DESIGN LOAD > 80 PSF	ASTM A-36

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MIAMI DADE COUNTY

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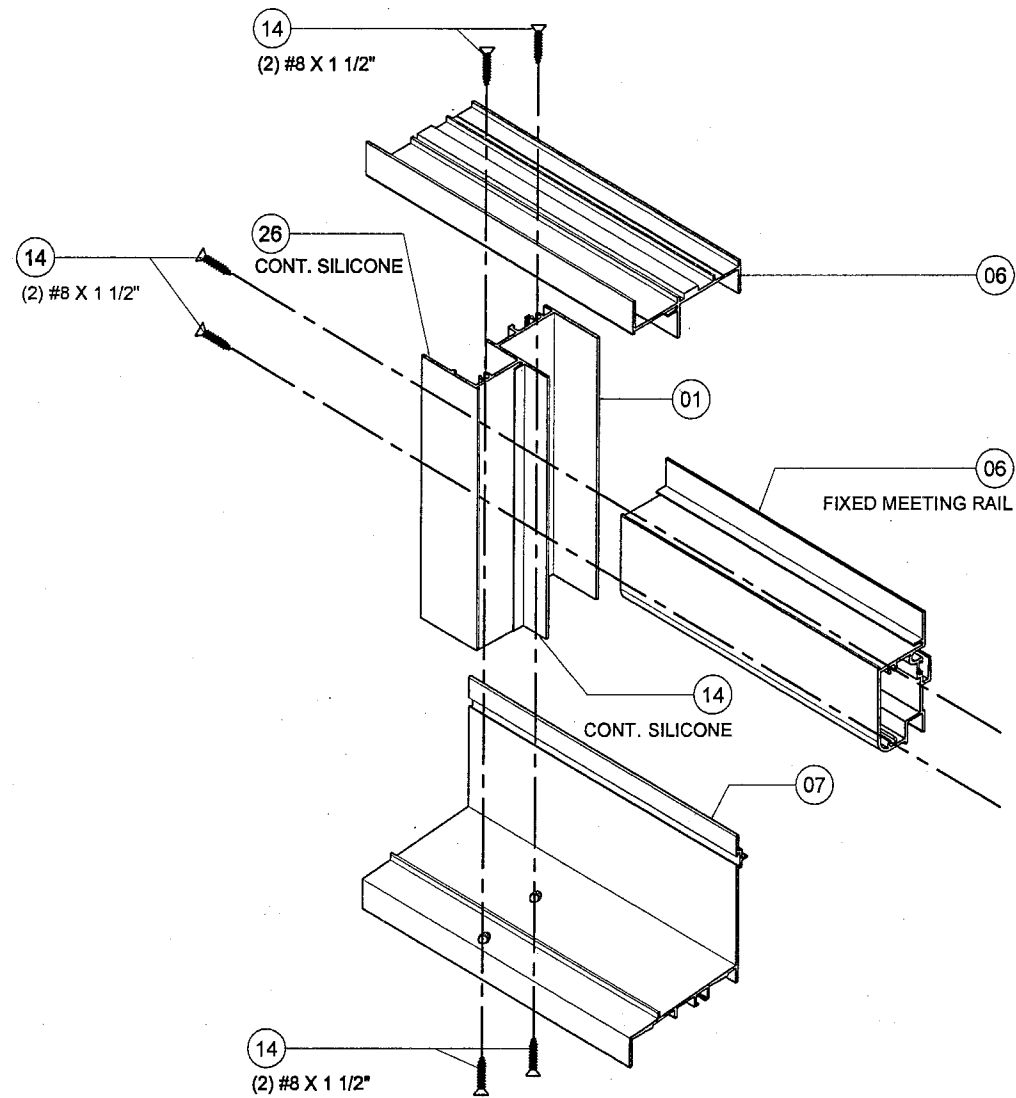
MCY
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
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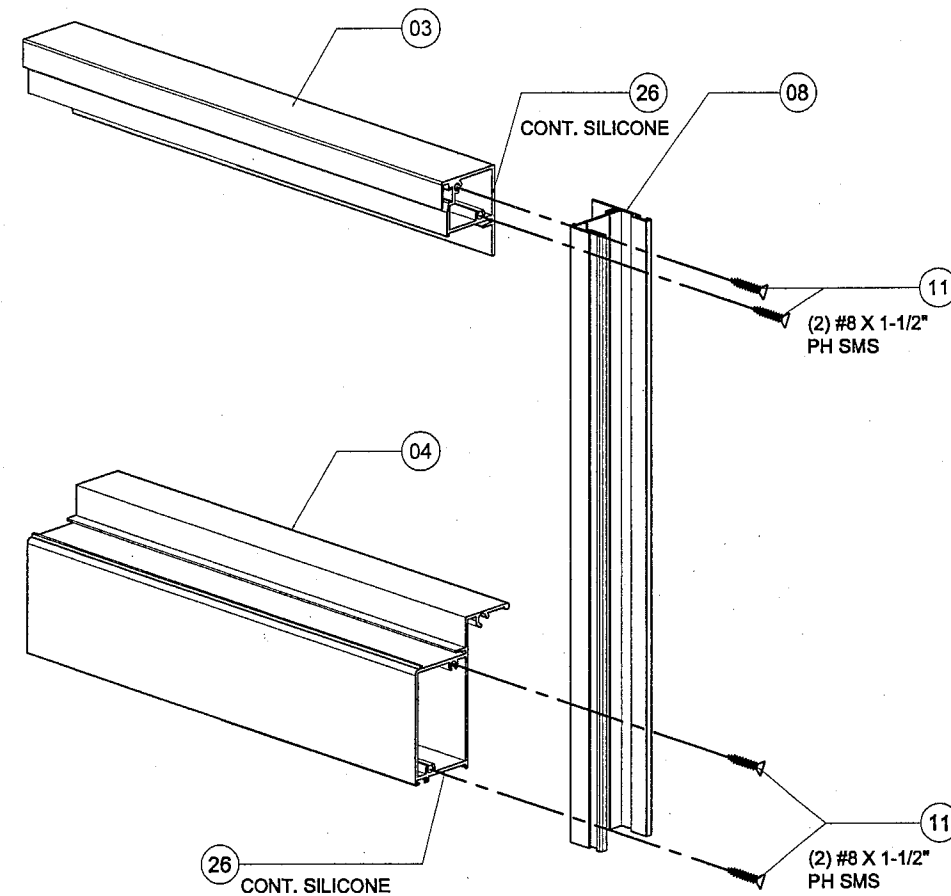
DATE	04/09/10
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DRAWN	W. L.
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DRAWING NO.
AD10-05

SHEET 5 OF 6



CORNER CONNECTION
AT FRAME HEAD AND SILL
SCALE 4"=1'-0"



CORNER CONNECTION
AT OPERABLE VENT (X)
SCALE 4"=1'-0"

PRODUCT REVISED as complying with the Florida Building Code Acceptance No 10-0422-06 Expiration Date 06/24/2014 By <i>Manuel Perez</i> Miami Dade Product Control Division MIAMI DADE COUNTY		YIPING WANG, P.E. FLORIDA REGISTRATION PE #55983 C.A.N. 28677 APR 15 2010	
DATE 04/09/10 SCALE AS SHOWN DRAWN W. L. PROJECT 10-012		DRAWING NO. AD10-05 SHEET 6 OF 6	

REVISIONS	
NO	DATE

MCY

MCY ENGINEERING, INC.
 GLAZING CONSULTANTS
 9110 SW SUNSET DRIVE.
 MIAMI, FL 33173
 P: 305.271.0117
 F: 786.573.5063
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